

The American Journal of Emergency Medicine

Contents

VOLUME 37 • NUMBER 4 • APRIL 2019

ORIGINAL CONTRIBUTIONS

- Prognostic Factors for Patients with Accidental Hypothermia: A Multi-Institutional Retrospective Cohort Study 565
Yohei Okada, Tasuku Matsuyama, Sachiko Morita, Naoki Ehara, Nobuhiro Miyamae, Takaaki Jo, Yasuyuki Sumida, Nobunaga Okada, Tetsuhisa Kitamura, and Ryoji Iiduka
- Optimal Sequence of Surgical Procedures for Hemodynamically Unstable Patients with Pelvic Fracture: A Network Meta-Analysis 571
Jingli Tang, Zhanying Shi, Juzheng Hu, Hao Wu, Chengzhi Yang, Guoping Le, and Jinmin Zhao
- Role of ED Crowding Relative to Trauma Quality Care in a Level 1 Trauma Center 579
Natasha Singh, Richard D. Robinson, Therese M. Duane, Jessica J. Kirby, Cassie Lyell, Stefan Buca, Rajesh Gandhi, Shayna M. Mann, Nestor R. Zenarosa, and Hao Wang
- Prehospital Advanced Cardiac Life Support by EMT with a Smartphone-Based Direct Medical Control for Nursing Home Cardiac Arrest 585
Changsun Kim, Hyuk Joong Choi, Hyungjun Moon, Giwoon Kim, Choungah Lee, Jin Sung Cho, Seongjung Kim, Kyoungmi Lee, Hanjoo Choi, and Wonjung Jeong
- Relative Tachycardia is Associated with Poor Outcomes in Post-Cardiac Arrest Patients Regardless of Therapeutic Hypothermia 590
Jung-In Ko, Kyung Su Kim, Gil Joon Suh, Kyuseok Kim, Woon Yong Kwon, Jonghwan Shin, You Hwan Jo, Yoon Sun Jung, Taegyun Kim, and So Mi Shin
- The Value of Endoplasmic Reticulum Stress Markers (GRP78 and CHOP) in the Diagnosis of Acute Mesenteric Ischemia 596
Senol Ardic, Aysegul Gumrukcu, Ozgen Gonenc Cekic, Mehmet Erdem, Goksen Derya Reis Kose, Selim Demir, Bestami Kose, Esin Yulug, Ahmet Mentese, and Suleyman Turedi
- The Effect of Angioembolization for Life-Threatening Retroperitoneal Hemorrhage in Patients with Pelvic Fracture 603
Chih-Yuan Fu, Sheng Yu Chan, Shang-Yu Wang, Chi-Hsun Hsieh, Chien-Hung Liao, Jen-Fu Huang, Yu-Pao Hsu, and Shih-Ching Kang
- Effect of Hypertension Across the Age Group on Survival Outcomes in Out-of-Hospital Cardiac Arrest 608
Eujene Jung, Jeong Ho Park, Young Sun Ro, Kyoung Jun Song, Hyun Ho Ryu, Seung Chul Lee, and Sang Do Shin
- Risk Factors of Upper Gastrointestinal Hemorrhage with Acute Coronary Syndrome 615
Nana Wang, Tiegang Li, and Qiang Du
- Accuracy of Pre-Hospital Trauma Notification Calls 620
Melissa K. James, Lavonne A. Clarke, Rose M. Simpson, Anthony J. Noto, Joshua R. Sclair, Geoffrey K. Doughlin, and Shi-Wen Lee
- Injury Patterns and Mechanisms Related to Refrigerator and Freezer Utilization in the United States 627
Matthew C. Hernandez, Eric J. Finnesgard, Joel R. Anderson, Nicholas P. McKenna, Martin D. Zielinski, and Johnathon M. Aho

(Continued on next page)

Contents continued

Gender Disparities in Percutaneous Coronary Intervention in Out-of-Hospital Cardiac Arrest <i>Jin Seop Jeong, So Yeon Kong, Sang Do Shin, Young Sun Ro, Kyoung Jun Song, Ki Jeong Hong, Jeong Ho Park, and Tae Han Kim</i>	632
Clinical Differences between Visits to Adult Freestanding and Hospital-Based Emergency Departments <i>Ryan C. Burke, Erin L. Simon, Brian Keaton, Laura Kukral, and Nicholas J. Jouriles</i>	639
Stimulant Drugs are Associated with Violent and Penetrating Trauma <i>Patil Armenian, Zachary Effron, Neev Garbi, Rachel Dirks, Neal L. Benowitz, and Roy R. Gerona</i>	645
Prehospital Non-Invasive Ventilation in Acute Respiratory Failure is Justified even if the Distance to Hospital is Short <i>Mario Hensel, Mike Sebastian Strunden, Sascha Tank, Nina Gagelmann, Sebastian Wirtz, and Thoralf Kerner</i>	651
The diagnostic and prognostic value of platelet indices in gastrointestinal bleeding <i>Tugba Senel, Ihsan Ates, Burak Furkan Demir, Mehmet Fettah Arikan, Selma Karaahmetoglu, Emin Altiparmak, and Nisbet Yilmaz</i>	657
Skin Mottling Score and Capillary Refill Time to Assess Mortality of Septic Shock since Pre-Hospital Setting <i>Romain Jouffroy, Anastasia Saade, Jean Pierre Tourtier, Papa Gueye, Emmanuel Bloch-Laine, Patrick Ecollan, Pierre Carli, and Benoît Vivien</i>	664
Management of Children Presenting with Low Back Pain to Emergency Department. <i>Francesco Saverio Biagiarelli, Simone Piga, Antonino Reale, Pasquale Parisi, Marta Luisa Ciofi degli Atti, Angelo Gabriele Aulisa, Paolo Schingo, Chiara Ossella, Maria Pia Villa, and Umberto Raucchi</i>	672
Inter-Scanner Variability in Hounsfield Unit measured by CT of the Brain and Effect on Gray-to-White Matter Ratio <i>Jae Hun Oh, Seung Pill Choi, Jung Hee Wee, and Jeong Ho Park</i>	680
QTc Prolongation as a Marker of 30-Day Serious Outcomes in Older Patients with Syncope Presenting to the ED <i>Jennifer L. White, Anna Marie Chang, Judd E. Hollander, Erica Su, Robert E. Weiss, Annick N. Yagapen, Susan E. Malveau, David H. Adler, Aveh Bastani, Christopher W. Baugh, Jeffrey M. Caterino, Carol L. Clark, Deborah B. Diercks, Bret A. Nicks, Daniel K. Nishijima, Manish N. Shah, Kirk A. Stiffler, Alan B. Storrow, Scott T. Wilber, and Benjamin C. Sun</i>	685
Esmolol does not Affect Circulation Negatively during Resuscitation <i>Viktor Kromann Ringgaard (Ringgård), Kristian Borup Wemmelund, Erik Sloth, and Peter Juhl-Olsen</i>	690
Diagnostic Performance of Emergency Physician-Performed Point-of-Care Ultrasonography for Acute Appendicitis: A Meta-Analysis <i>Sun Hwa Lee, and Seong Jong Yun</i>	696
Variation in the Accuracy of Ultrasound for the Detection of Intubation by Endotracheal Tube Size <i>Michael Gottlieb, Dallas Holladay, Damali Nakitende, Braden Hexom, Urvi Patel, Anthony Serici, Shital C. Shah, and John Bailitz</i>	706
The Effect of Peer Influence on the Use of CT by Emergency Physicians for Patients With Headaches <i>Yi-Syun Huang, Wei-Ting Tseng, Charng-Yen Chiang, E-Wai Zhang, Chien-Hung Wu, and Fu-Jen Cheng</i>	710
Standard Long IV Catheters Versus Extended Dwell Catheters: A Randomized Comparison of Ultrasound-Guided Catheter Survival <i>Amit Bahl, Bophal Hang, Abigail Brackney, Steven Joseph, Patrick Karabon, Ammanee Mohammad, Ijeoma Nnanabu, and Paul Shotkin</i>	715

(Continued on next page)

Contents continued

BRIEF REPORTS

Analysis of Current Financial Relationships between Emergency Physicians and Industry Hospital Emergency Department *Joshua D. Niforatos, Samuel Boas, Samuel Hertz, Ahmed Ozgur, and Ali S. Raja* 722

Prophylactic Systemic Antibiotics for Anterior Epistaxis Treated with Nasal Packing in the ED *Tiffany Murano, Debbie Brucato-Duncan, Christine Ramdin, and Steven Keller* 726

Preference for Opioids in Emergency Department Patients with Acute Musculoskeletal Pain *Cooper Swenson, Nishant Prashar, Alyssa Mangino, Henry C. Thode, and Adam J. Singer* 730

Benzodiazepines vs Barbiturates for Alcohol Withdrawal: Analysis of 3 Different Treatment Protocols *Amelia C. Nelson, Joy Kehoe, Jeffrey Sankoff, David Mintzer, Julie Taub, and Kevin A. Kaucher* 733

Aggressive Imaging Protocol for Hanging Patients Yields No Significant Findings Over-Imaging of Hanging Injuries *Samuel Schuberg, Nachiketa Gupta, and Kaushal Shah* 737

Ultrasound-Guided Transverse Abdominis Plane Block for ED Appendicitis Pain Control *Sally Mahmoud, Emily Miraflor, David Martin, Daniel Mantuani, Josh Luftig, and Arun D. Nagdev* 740

RESEARCH SEMINAR

The importance of developing a global emergency medicine research network *Prashant Mahajan, Timothy Visclosky, Sanjeev Bhoi, Sagar Galwankar, Nathan Kuppermann, Robert Neumar* 744

REVIEWS

Agreement Between Arterial and Peripheral Venous Lactate Levels in the ED: A Systematic Review *A.J. van Tienhoven, C.A.J. van Beers, and C.E.H. Siegert* 746

Approach to Cardiopulmonary Resuscitation Induced Consciousness, an Emergency Medicine Perspective *A. Pourmand, B. Hill, D. Yamane, and E. Kuhl* 751

Point-of-Care Ultrasound for the Diagnosis of Shoulder Dislocation: A Systematic Review and Meta-Analysis *Michael Gottlieb, Dallas Holladay, and Gary D. Peksa* 757

CORRESPONDENCE

Pharmacist Impact on Sepsis Bundle Compliance through Participation on an ED Sepsis Alert Team *Nicholas Yarbrough, Meghan Bloxam, James Priano, Patricia Louzon Lynch, Lauren N. Hunt, and Jennifer Elfman* 762

Platelet Indices may not be Associated with Diagnosis and Prognosis of Gastrointestinal Bleeding *Cengiz Beyan* 763

Assessing the Methodological Quality of Retrospective Research Protocols *Lindsey Ouellette, Stacy L. Gardner, Betsy Wilson, Angela D. Faber, and Jeffrey Jones* 764

Reply to the Letter Titled "Platelet Indices may not be Associated with Diagnosis and Prognosis of Gastrointestinal Bleeding" *Tugba Senel, Burak Furkan Demir, and Ihsan Ates* 765

Generalized Anxiety Disorder among Emergency Department Patients *Catherine A. Marco, Justin Anderson, Mitchell McMurray, Matthew Lovell, Jaree Naqvi, and Nicholas Seitz* 766

Emergency Physician Empathy does not Explain Variation in Admission Rates *Vivek Parwani, David Ashkenasi, Craig Rothenberg, Andrew Ulrich, Sharon Chekijian, Marc Shapiro, Edward Melnick, and Arjun K. Venkatesh* 767

(Continued on next page)

Contents continued

Novel Method of Infant Chest Compression. Does the Arrangement of the Thumbs Matter? <i>Kurt Ruetzler, Jacek Smereka, Lukasz Szarpak, and Michael Czepakajlo</i>	769
Diabetes Mellitus and Hypoglycemia as a Complication of Intravenous Insulin to Treat Hyperkalemia in the ED <i>Jan Brož, Jana Urbanová, Marisa Nunes, and Ludmila Brunerová</i>	770
Endotracheal Intubation in the Prehospital Settings <i>Manuel Ángel Gómez-Ríos, Rubén Casans-Francés, Javier Ripollés-Melchor, Alfredo Abad-Gurumeta, and José María Calvo-Vecino</i>	771
Suspected lower GI bleeding in the ED: from bleeding symptoms to diagnosis <i>Pierre-Clément Thiebaud, Youri Yordanov, Jacques-Emmanuel Galimard, Diane Naouri, Fabien Brigant, Jennifer Truchot, Farès Moustafa, Dominique Pateron and The Initiatives de Recherche aux Urgences Group</i>	772
Intravenous Lidocaine for Renal Colic in the Emergency Department <i>Therese Makhoul, Gregory Kelly, Rachel F. Schult, and Nicole M. Acquisto</i>	775
Alcoholism in Elderly Patients: Characteristics of Patients and Impact on the Emergency Department <i>Lindsey Ouellette, William TenBrink, Chad Gier, Spencer Shepherd, Sadie Mitten, Matthew Steinberger, Brad Riley, Chad Sutcliffe, and Jeffrey Jones</i>	776
The Global Health Service Partnership's Point-of-Care Ultrasound Initiatives in Malawi, Tanzania and Uganda <i>Keith S. Boniface, Aislynn Raymond, Katelyn Fleming, James Scott, Vanessa B. Kerry, Tenagne Haile-Mariam, Sadath Sayeed, and Hamid Shokoohi</i>	777
Patient Perceptions of EMS Provider Attire <i>Jesse Olsen, and Jeffrey Lubin</i>	779
RN Assessment of the Inferior Vena Cava Diameter to Determine Intravascular Volume Using Bedside Ultrasound <i>Jason A. Reid</i>	782
A Leadership-Based Program can Reduce Boarding Time of Emergency Department Admissions <i>Wan-Ching Lien, Yeh-Ping Liu, I-San Chen, Mei-Luan Huang, Hui-Ning Wang, Kuan-Yu Hung, and Jui-Sheng Sun</i>	783
Evaluation of the Tensile Strength and Microbial Barrier Properties of a Novel, 2-Octylcyanoacrylate Based Topical Skin Adhesive <i>Adam J. Singer, Jimmy Toussaint, and Miriam H. Rafailovich</i>	788
Emergency Physician Utilization of Transvaginal Ultrasound after Initiation of Revised Sterilization Protocol <i>Timothy P. O'Connor, Nathan Garton, Courtney Jones, Michael Estephan, Michael Lu, and David Adler</i>	789
Which Technique for Resuscitation Physicians Should Use? Preliminary Data <i>Jolanta Majer, Jacek Smereka, Mateusz Puslecki, and Lukasz Szarpak</i>	791
Double Sequential Defibrillation and the Tyranny of the Case Study <i>Brian M. Clemency, Benjamin Pastwik, and Dennison Gillen</i>	792
CASE REPORTS	
© Relief of Refractory Renal Colic in Emergency Department: A Novel Indication for Ultrasound Guided Erector Spinae Plane Block <i>Muhammed Enes Aydin, Ali Ahiskalioglu, Erdal Tekin, Fatih Ozkaya, Elif Oral Ahiskalioglu, and Atif Bayramoglu</i>	794
© Acute Ascites and Abdominal Pain from Ovarian Hyperstimulation Syndrome (OHSS) <i>John Kiel</i>	794
© Optimal Treatment Modality for Coexisting Acute Myocardial Infarction and Ischemic Stroke <i>Fatih Gungoren, Feyzullah Besli, Zulkif Tanriverdi, and Ozcan Kocaturk</i>	795

(Continued on next page)

Contents continued

© Traumatic Cervical Fusion Hardware Displacement Presenting with Dysphagia and Dysphonia <i>Valerian Peterson, and Rebecca Jeanmonod</i>	795
© Food Dependent Exercise Induced Anaphylaxis Triggered by Inhaled Antigen <i>Mark Greve</i>	796
© Priapism Following Erector Spinae Plane Block for the Treatment of a Complex Regional Pain Syndrome <i>Abdelghafour Elkoundi, Zakarya Eloukkal, Mustapha Bensghir, and Lahcen Belyamani</i>	796
© Thyrotoxicosis: an unusual cause of syncope <i>Alissara Vanichkulbodee, Suwara Issaragrisil, and Pholaphat Charles Inboriboon</i>	797
© A Case with an Unusual Cause of Syncope: Thyrotoxicosis <i>Andrew Kaddis, and Thomas Tellez</i>	797
© Fasciculating Toxicity <i>Anupam Ranjan, Nayer Jamshed, Praveen Aggarwal, and Vibhor Upadhyay</i>	798
© Digoxin-Specific Fab and Therapeutic Plasma Exchange for Digitalis Intoxication and Renal Failure <i>Marta Pellegrino, and Mattia Garofalo</i>	798